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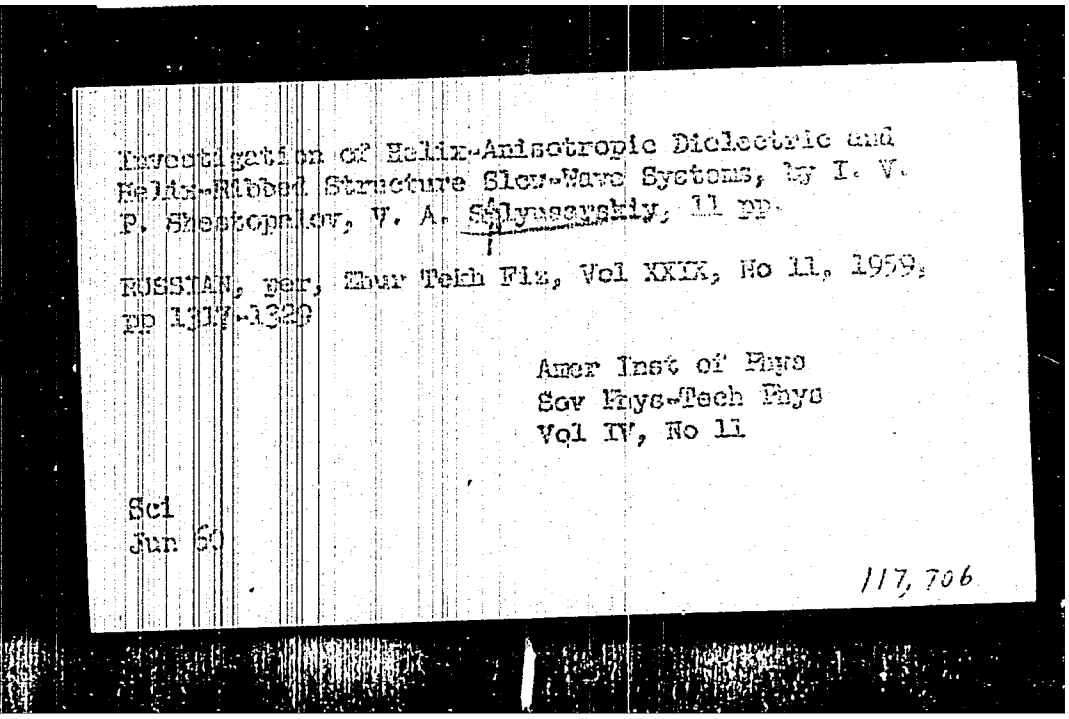

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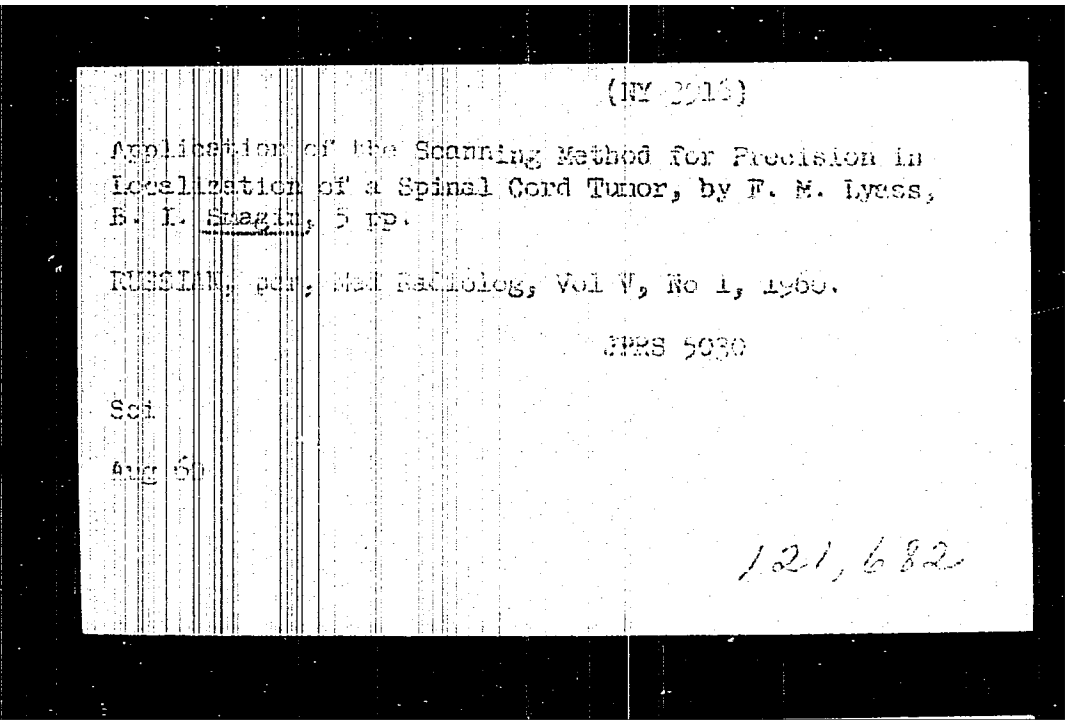

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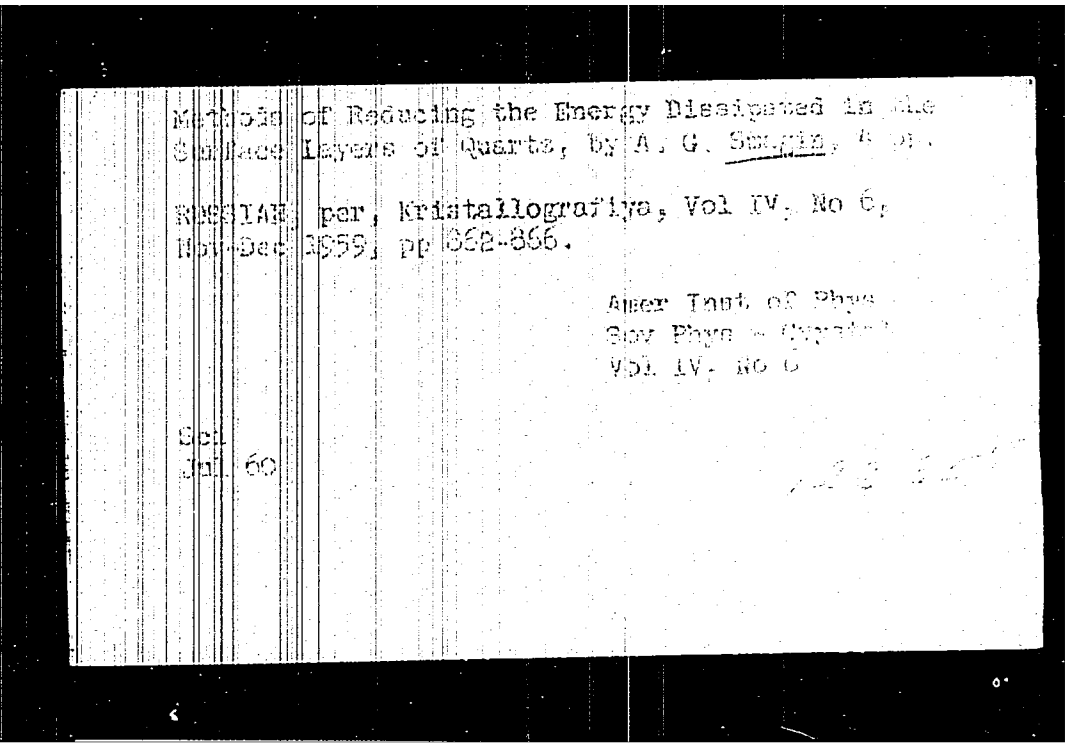

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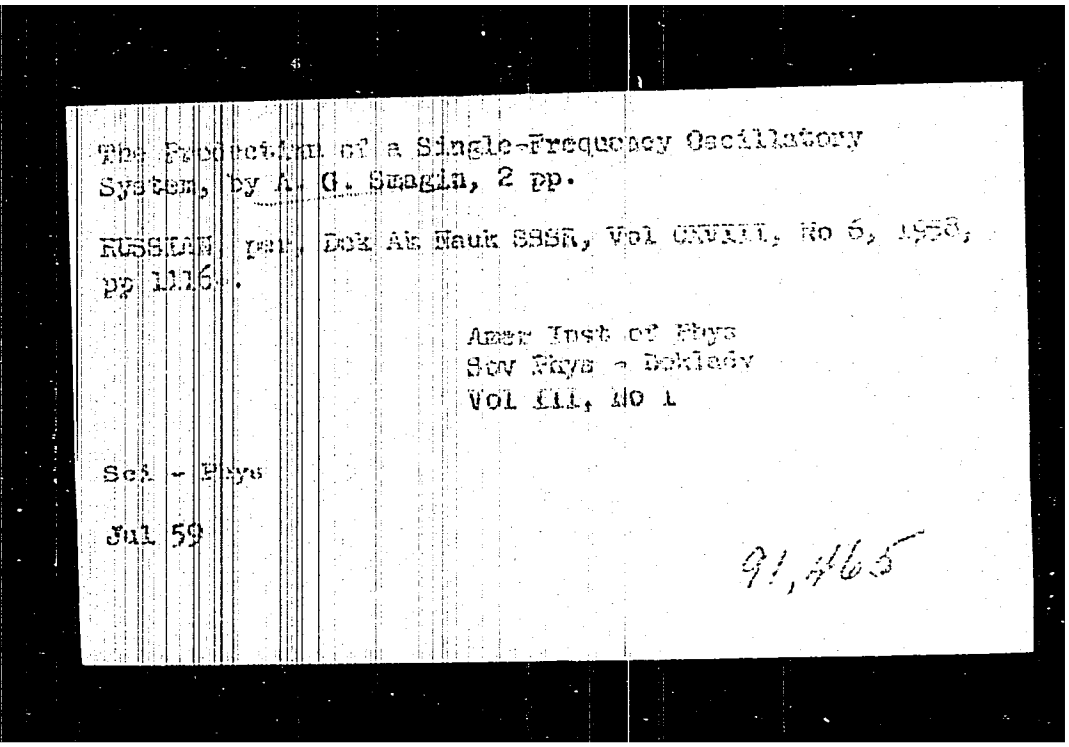

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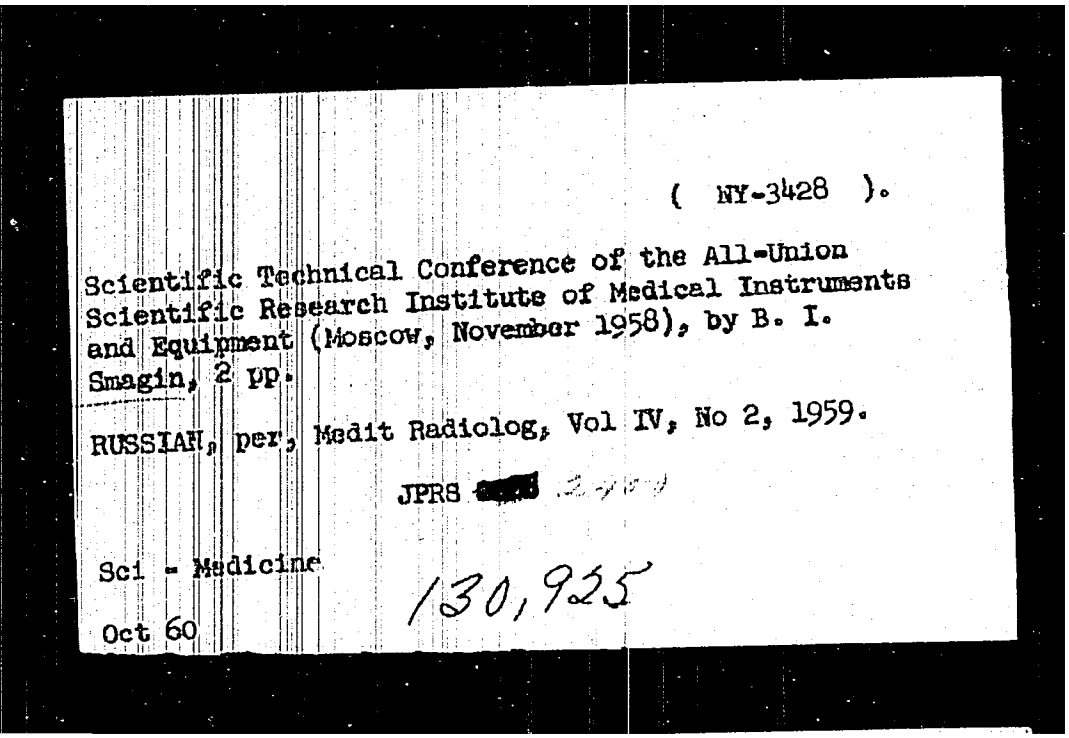

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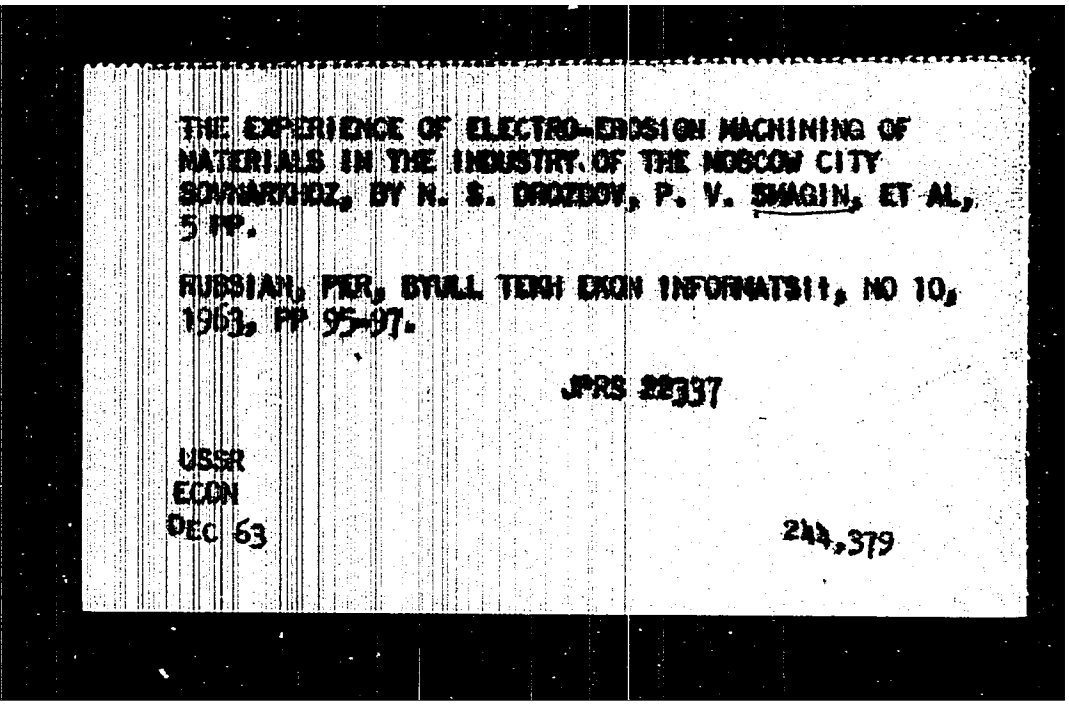

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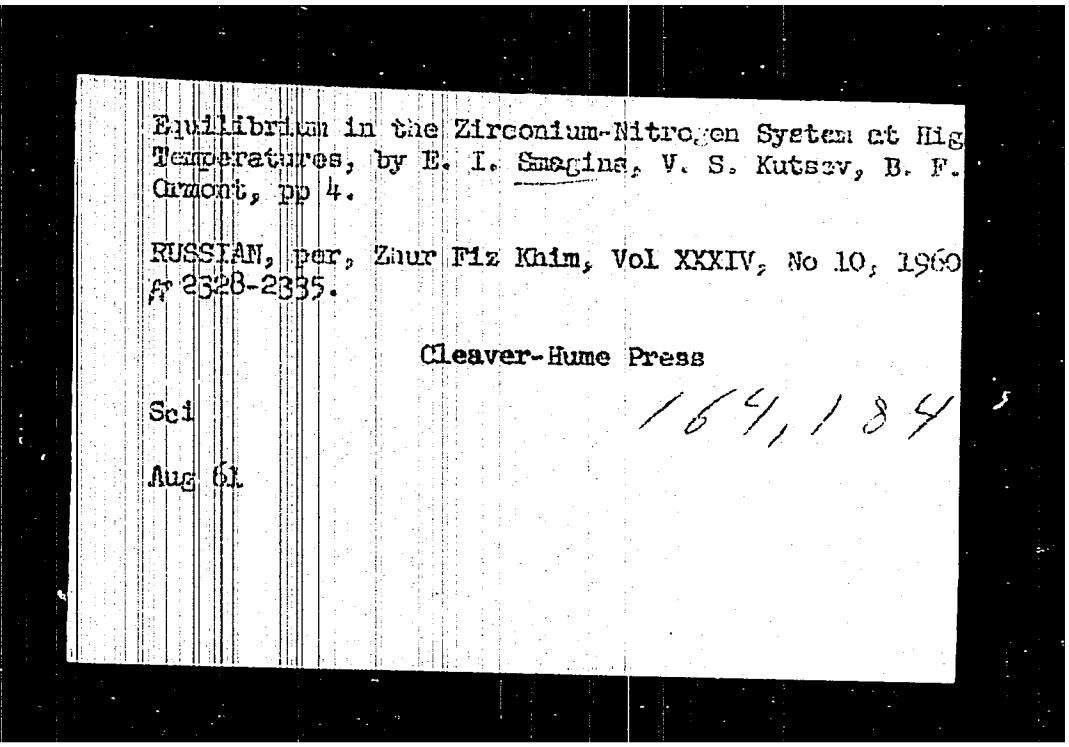

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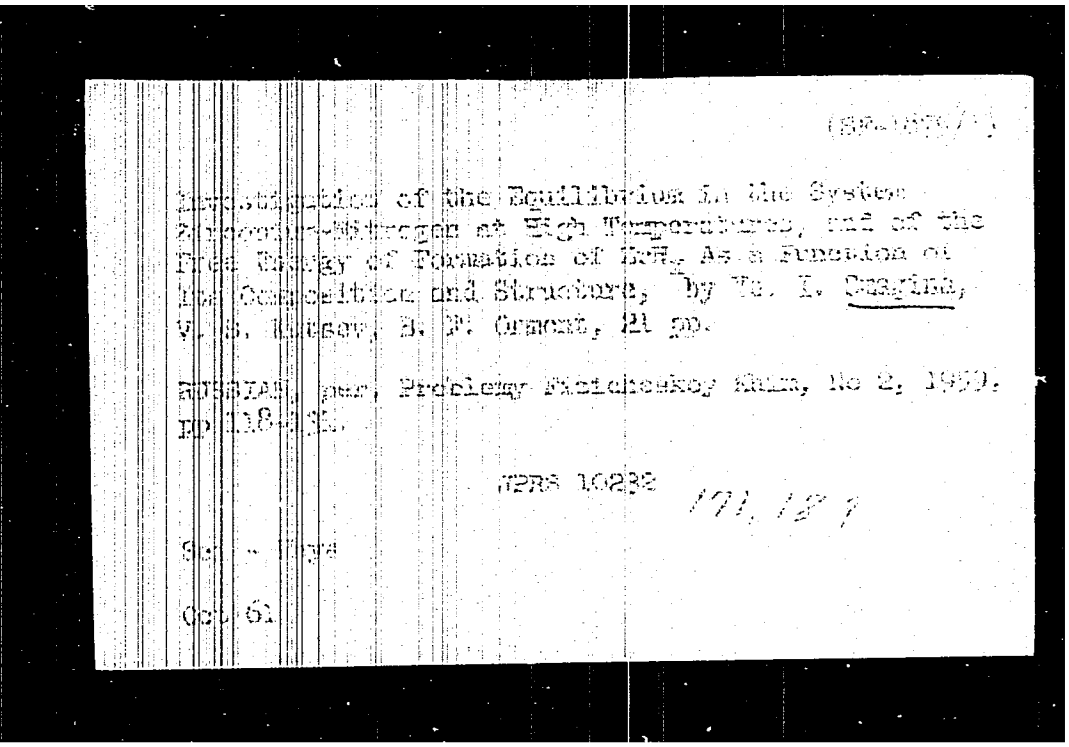

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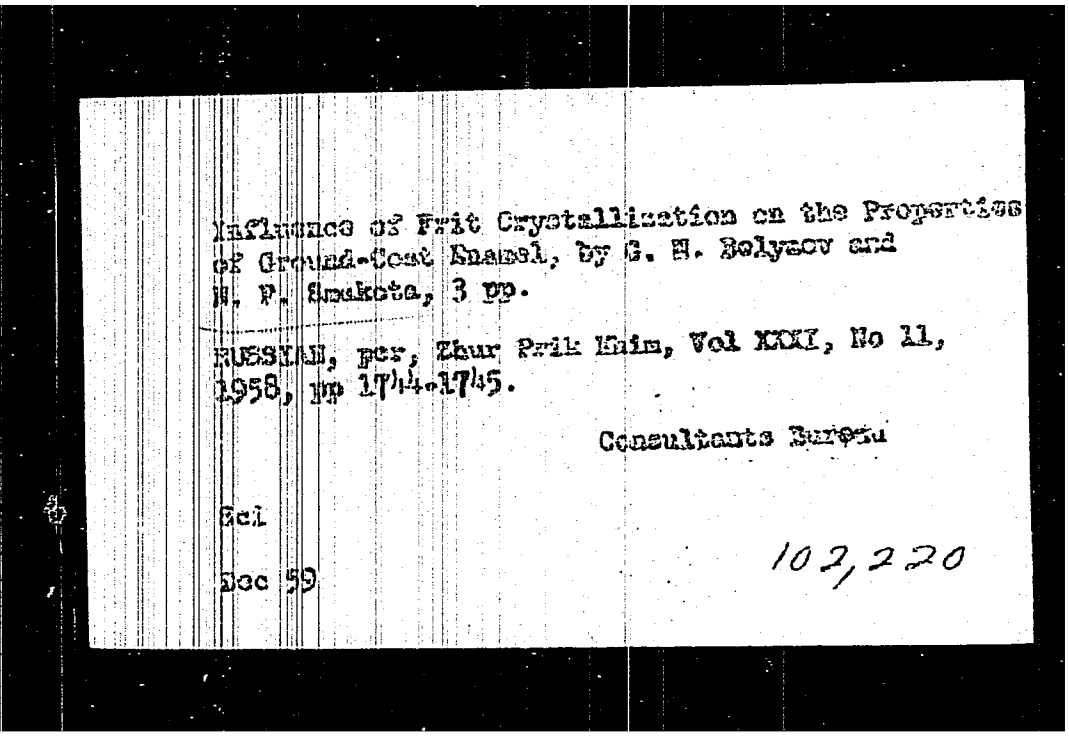

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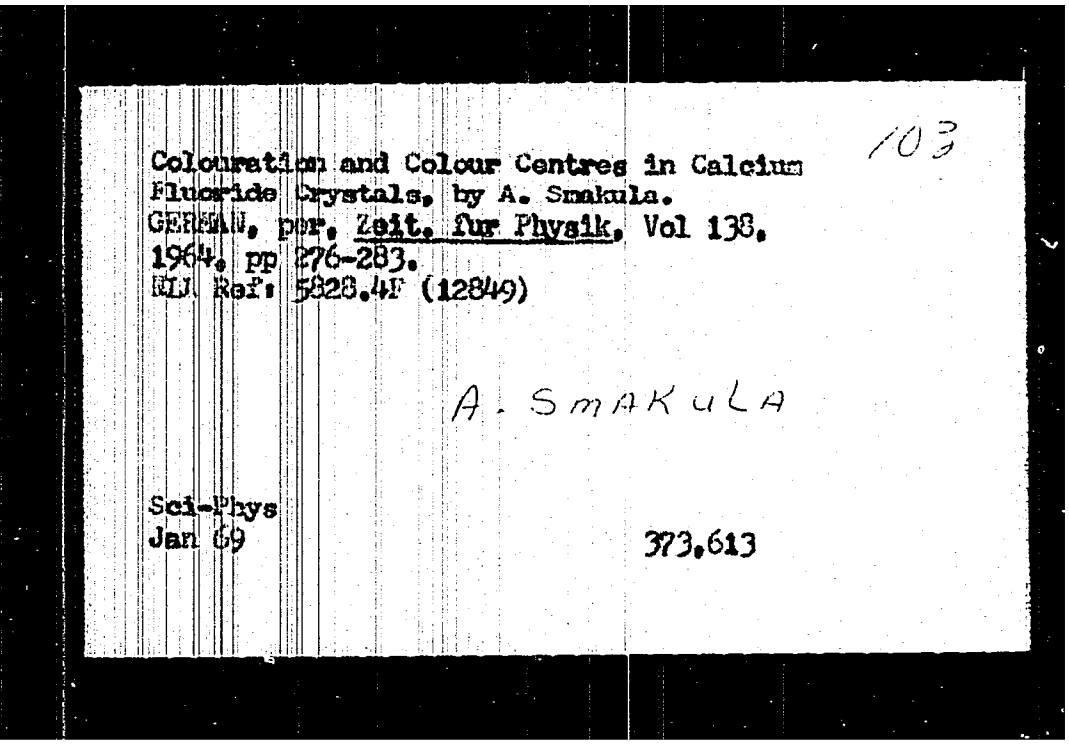

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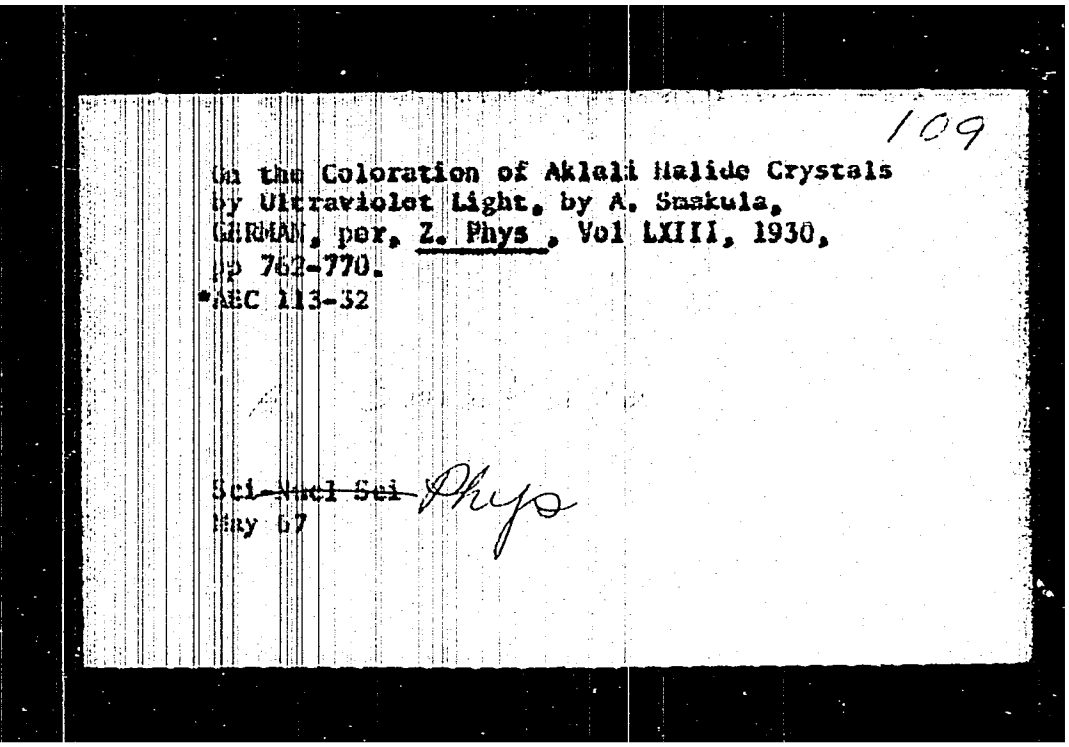

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Order from SLA $1.60 63-10770

Trans. of Zeit[schrift] für Physik (Germany)
1930, v. 63, p. 762-770.

DESCRIPTORS: Discoloration, *Halides, *Crystals, *Ultraviolet radiation, Absorption, Lithium compounds, Rubidium compounds, Potassium compounds, *Color centers, Photochemistry.

This paper contains the absorption spectra for mole-one discoloration of the substances LiF, RbBr, and KI. Absolute values are given for the absorption constant $\mathfrak{J}C$ in the long-wavelength satellite of the first ultra-
(Physics--Solid State, TT, v. 10, no. 1) (over)

63-10770

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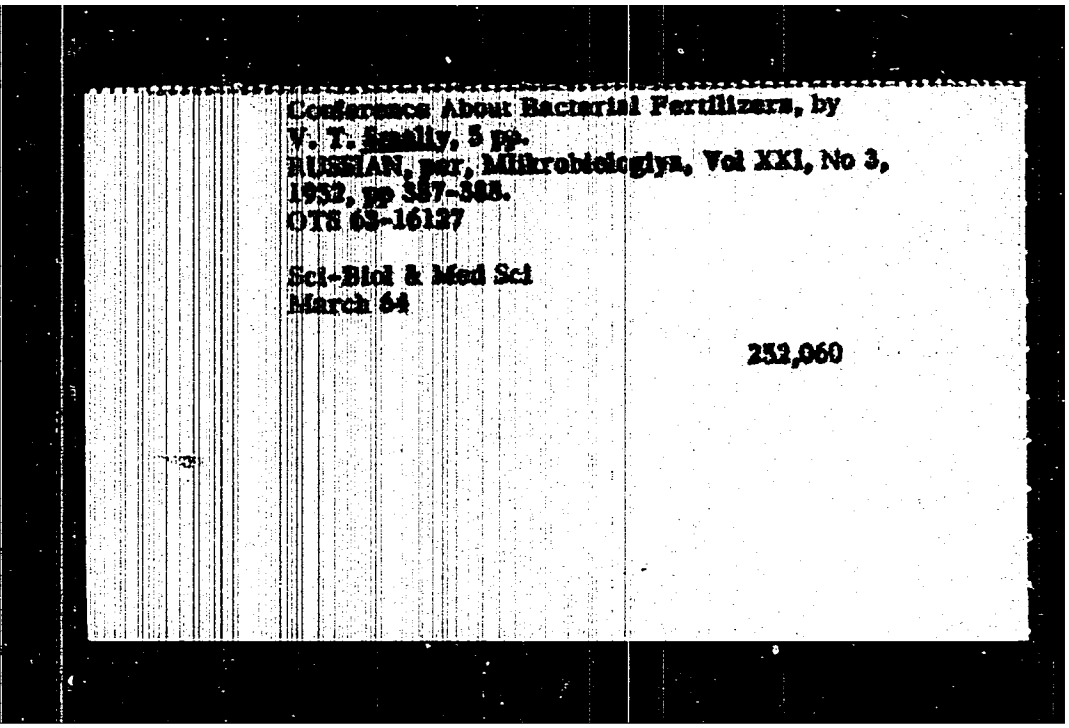

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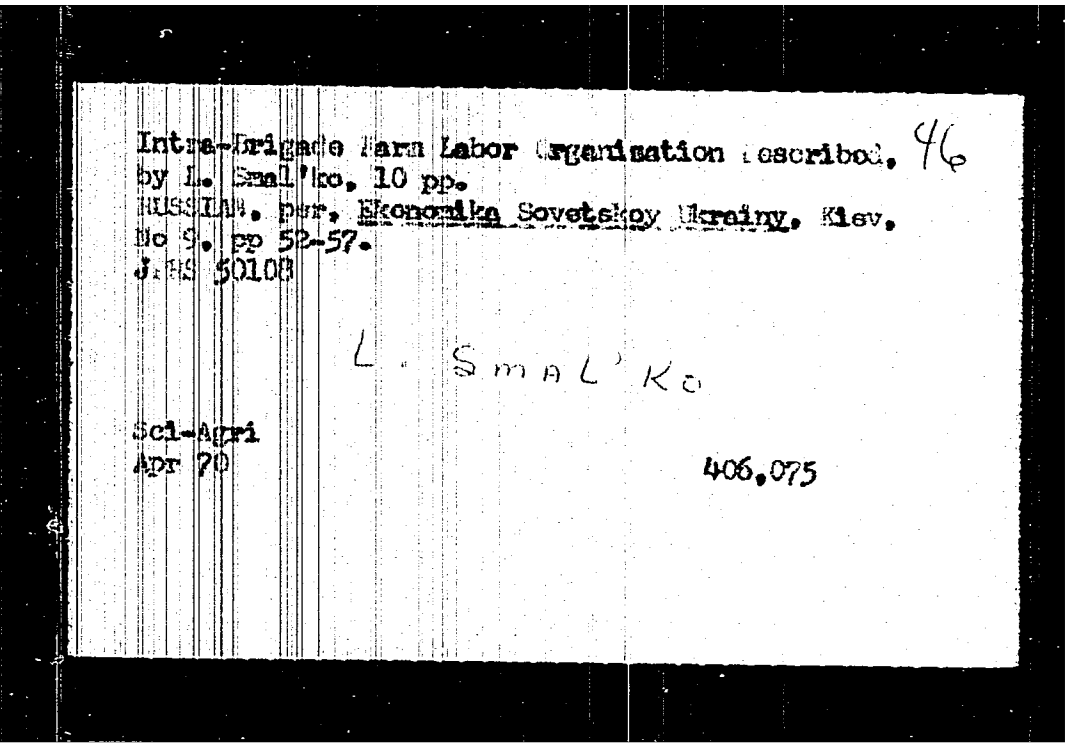

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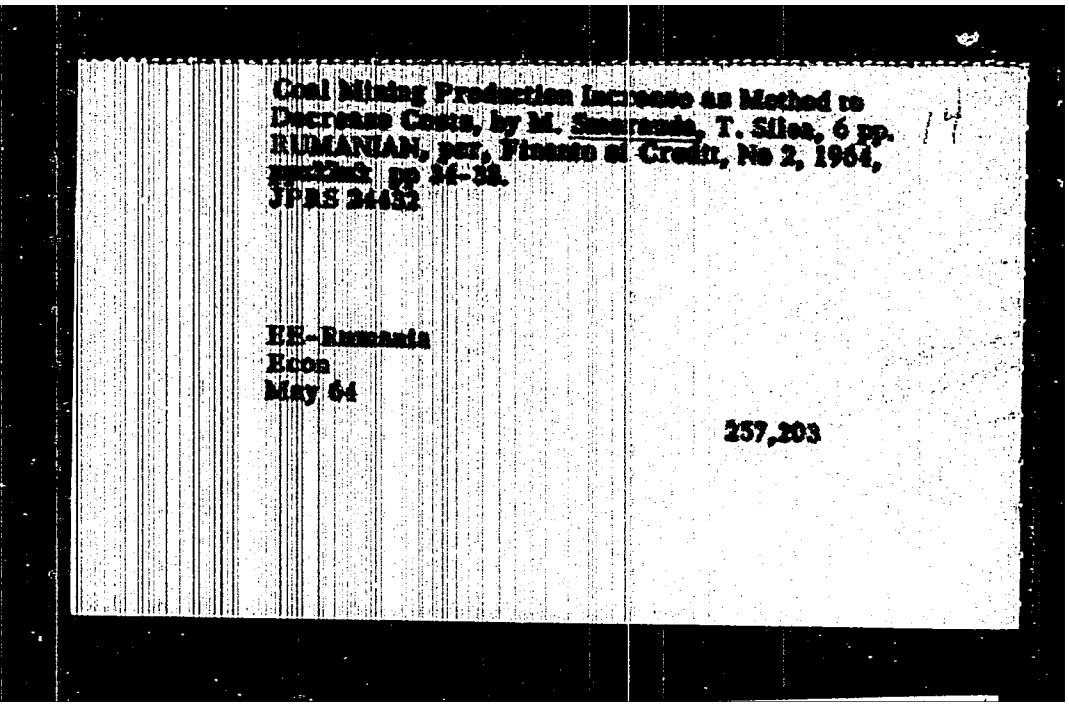

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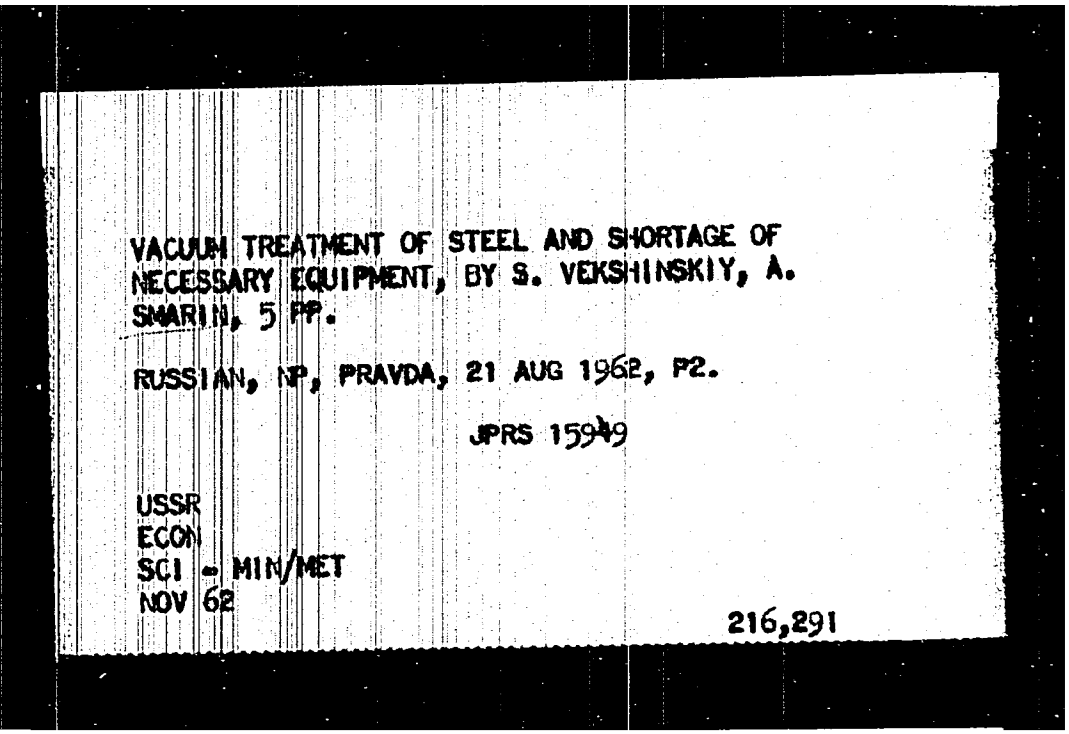

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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(NY-5374)

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JPRS 7361

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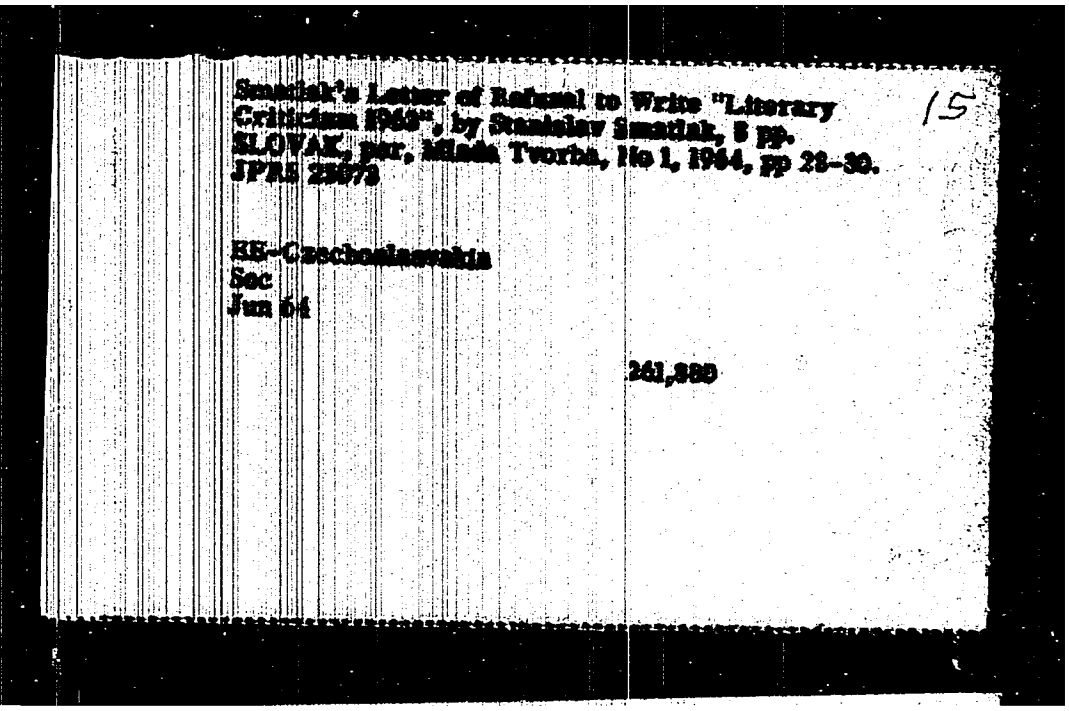

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JPRS 25973

CS-Czechoslovakia
Soc
Jun 64

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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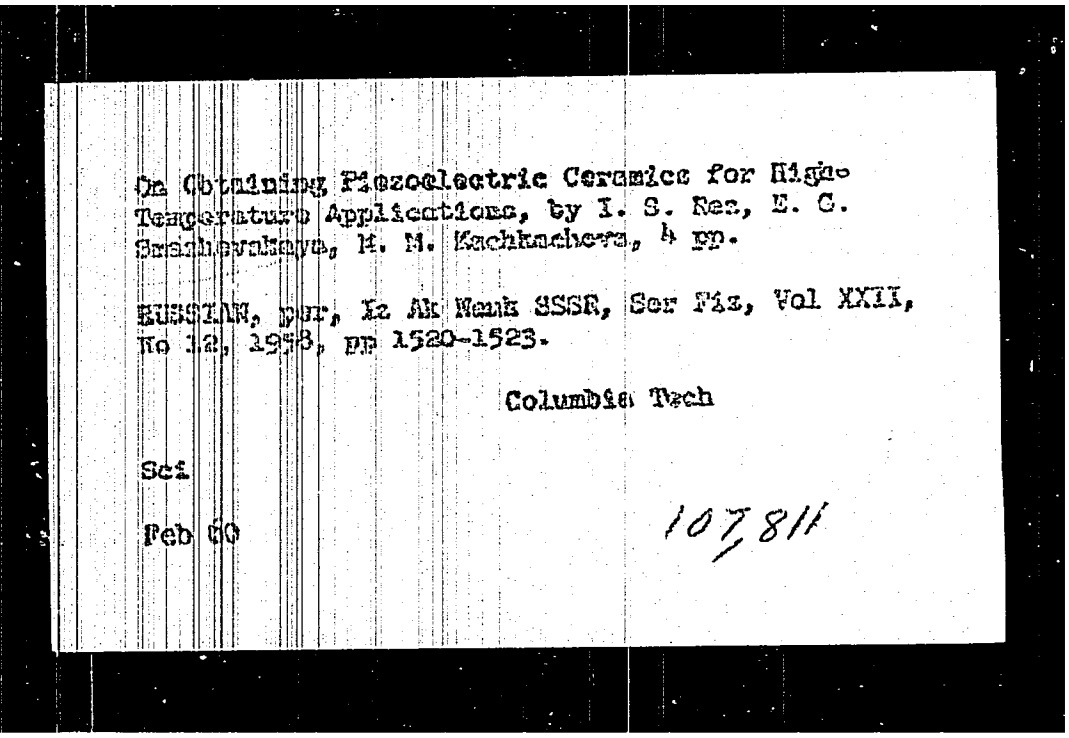

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BY E. D. SYCH, E. D. SMAZNAYA-IL'INA, 6 PP

RUSSIAN, PER, ZHUR OBSHCH KHIM, VOL XXXII NO 3
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Acyl Derivatives of 2-Aminomethylbenzthiazole,
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Sci - Agri
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S.4243 (NY-1600)

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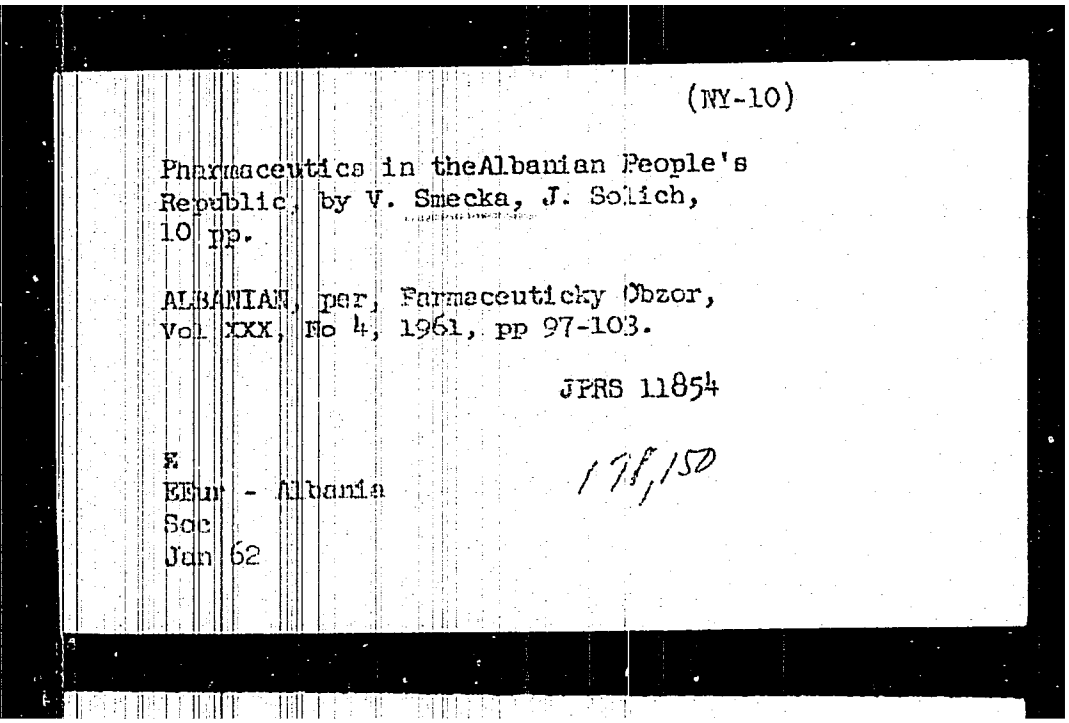

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CS180

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Sci -
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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AEC/ORNL-Tr-2225-69

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Sci/Chem
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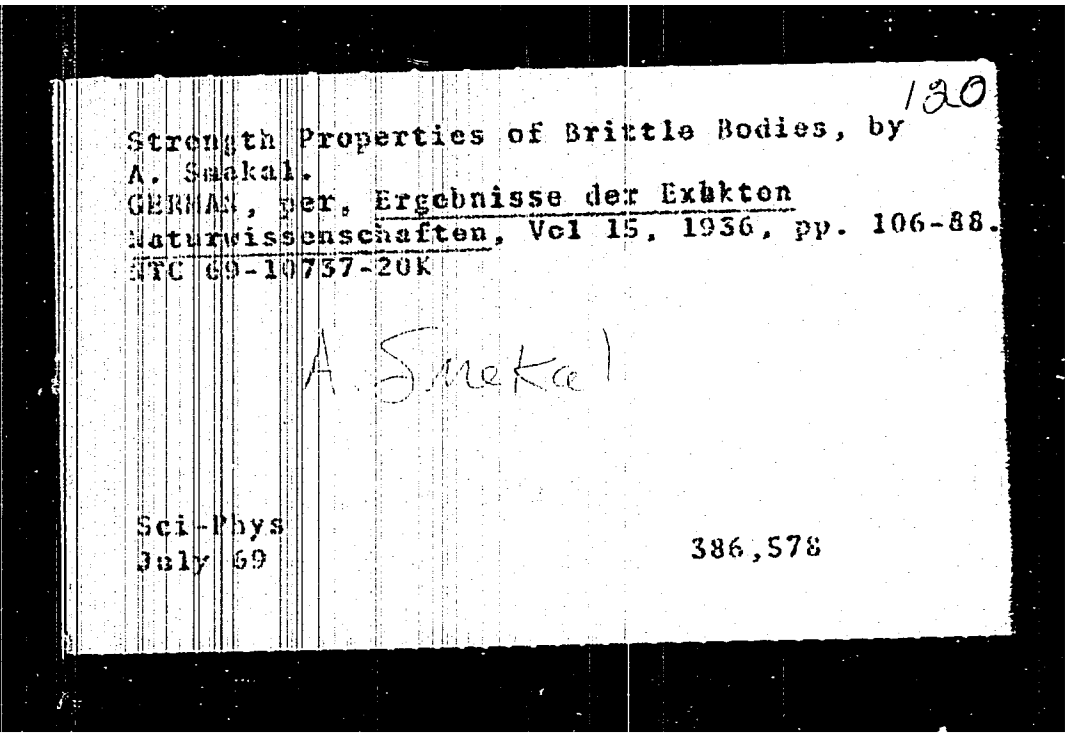

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ATC 69-10737-20K

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Sci-Phys
July 69

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*MRS TT 70-57871

Sci. ~~Phys~~ Chem
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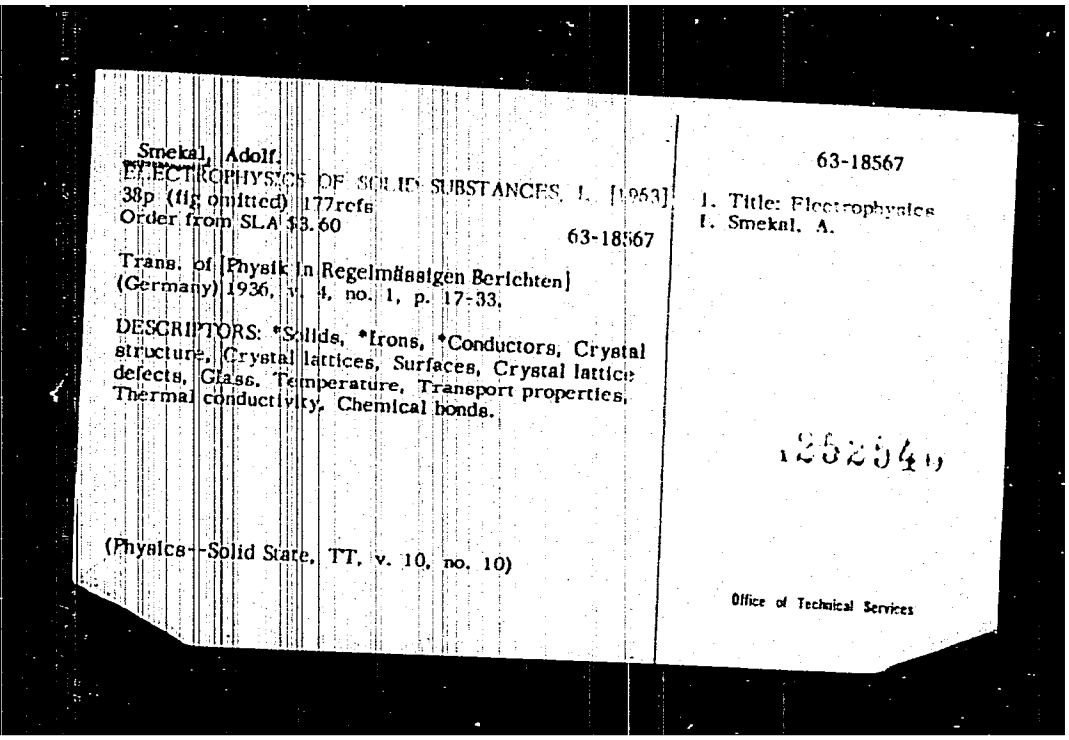


Smekal, Adolf.
ELECTROPHYSICS OF SOLID SUBSTANCES. I. [1953]
38p (fig omitted) 177refs
Order from SLA $3.60
63-18567

Trans. of [Physik in Regelmässigen Berichten]
(Germany) 1936, v. 4, no. 1, p. 17-33.

DESCRIPTORS: *Solids, *Irons, *Conductors, Crystal structure, Crystal lattices, Surfaces, Crystal lattice defects, Glass, Temperature, Transport properties, Thermal conductivity, Chemical bonds.

(Physics--Solid State, TT, v. 10, no. 10)

63-18567

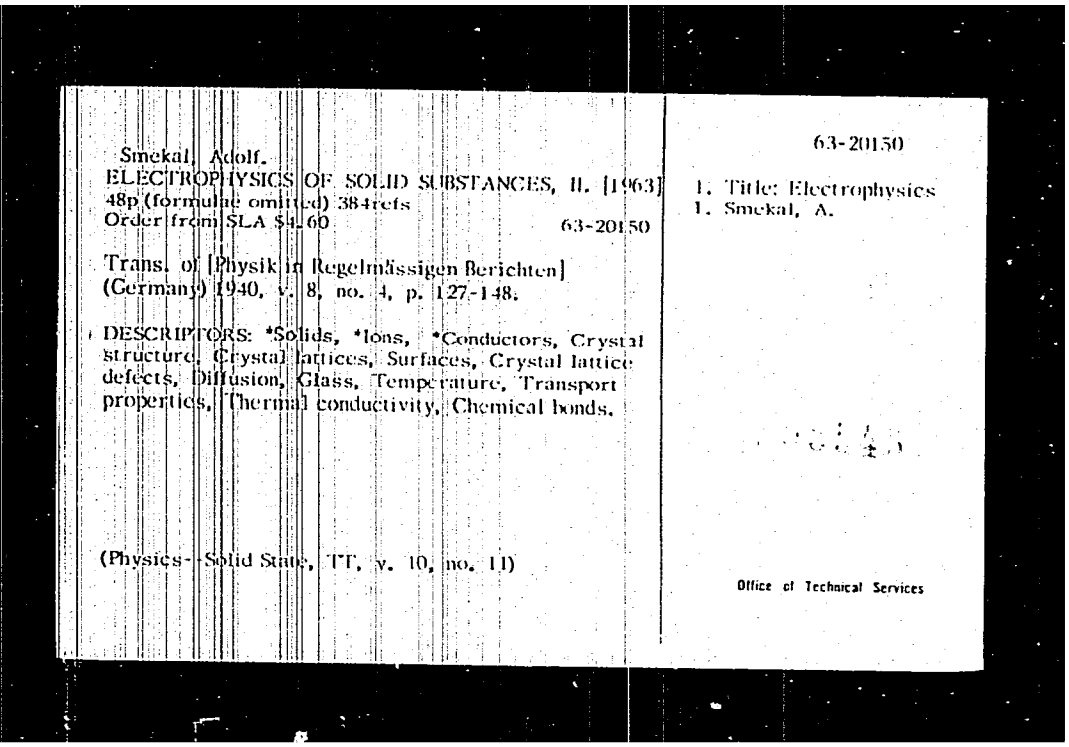
1. Title: Electrophysics
I. Smekal, A.

128254

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5



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48p (formulae omitted) 384refs
Order from SLA $4.60 63-20150

Trans. of [Physik in Regelmässigen Berichten]
(Germany) 1940, v. 8, no. 4, p. 127-148.

DESCRIPTORS: *Solids, *Ions, *Conductors, Crystal structure, Crystal lattices, Surfaces, Crystal lattice defects, Diffusion, Glass, Temperature, Transport properties, Thermal conductivity, Chemical bonds.

(Physics--Solid State, TT, v. 10, no. 11)

63-20150

1. Title: Electrophysics
1. Smekal, A.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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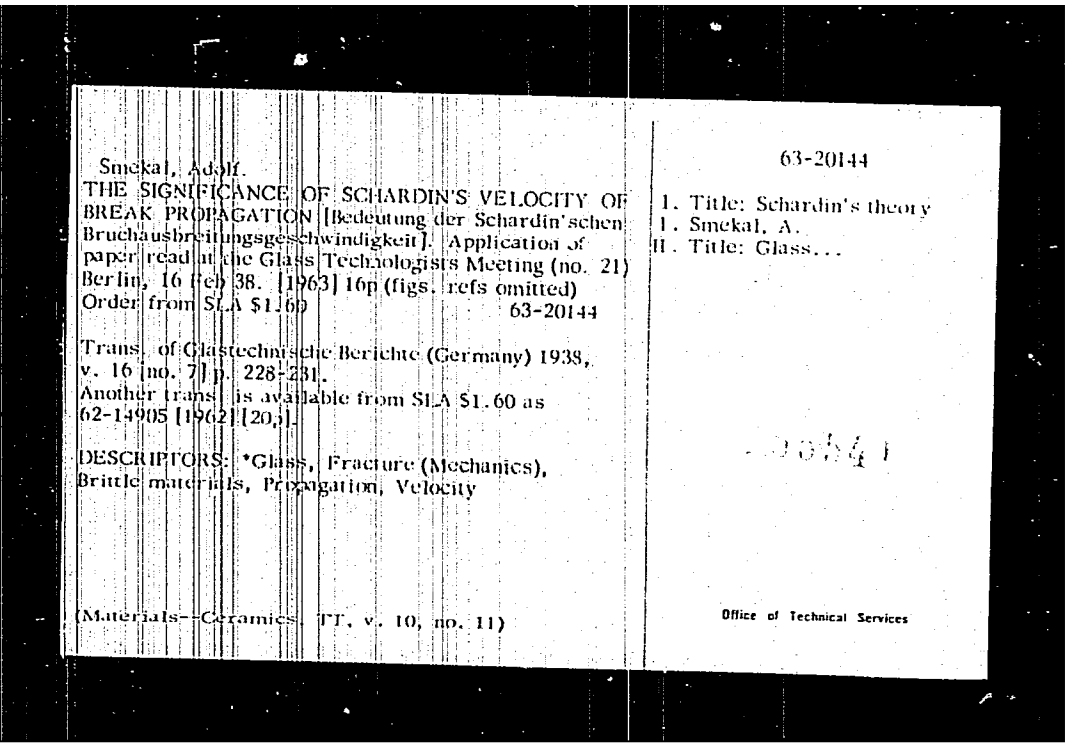

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Order from SLA $1.60 63-20144

Trans. of Glastechnische Berichte (Germany) 1938, v. 16 [no. 7] p. 228-231.
Another trans. is available from SLA $1.60 as 62-14905 [1962] [20,].

DESCRIPTORS: *Glass, Fracture (Mechanics), Brittle materials, Propagation, Velocity

(Materials--Ceramics, TT, v. 10, no. 11)

63-20144

1. Title: Schardin's theory
I. Smekal, A.
II. Title: Glass...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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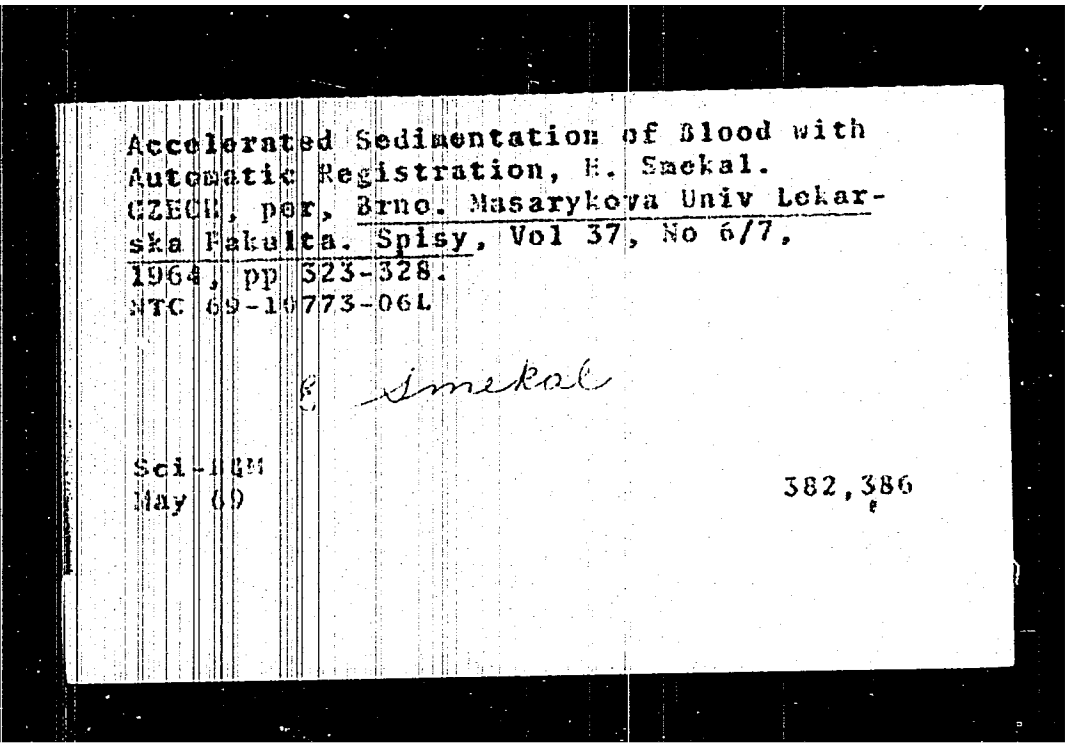

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CZECH, per, Brno. Masarykova Univ Lekarska Fakulta. Spisy, Vol 37, No 6/7, 1964, pp 323-328.
NTC 69-10773-06L

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Sci-Tech
May 69

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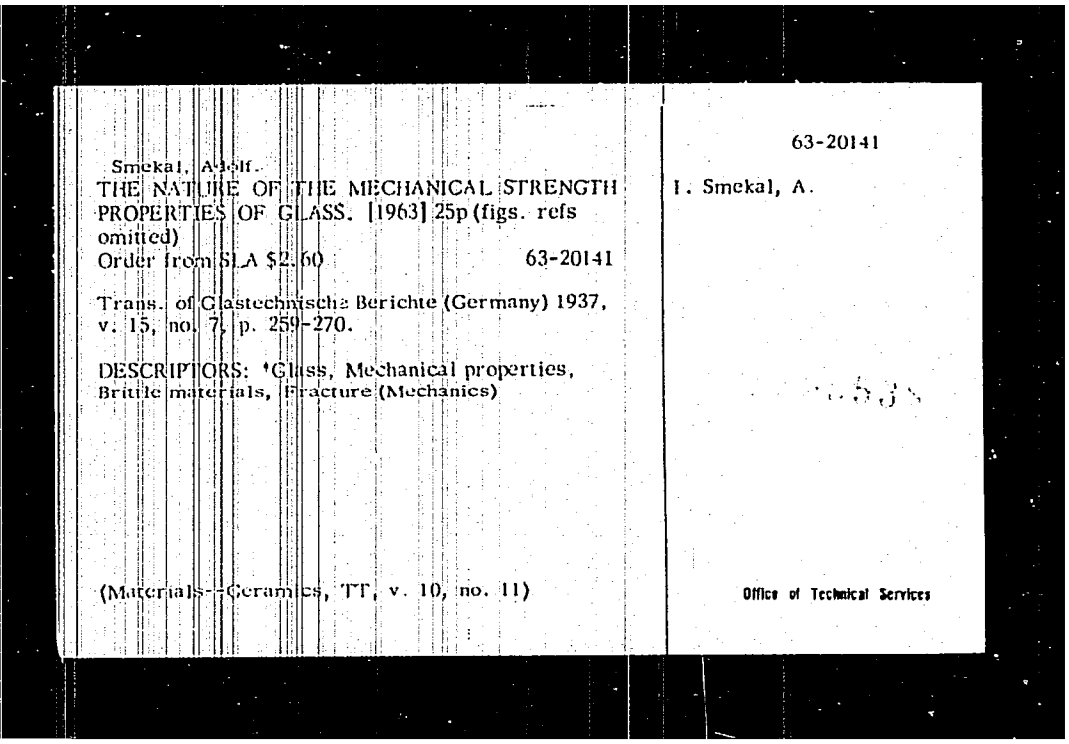

Smekal, A.G.
THE NATURE OF THE MECHANICAL STRENGTH PROPERTIES OF GLASS. [1963] 25p (figs. refs omitted)
Order from SLA $2.60 63-20141

Trans. of Glastechnische Berichte (Germany) 1937, v. 15, no. 7, p. 259-270.

DESCRIPTORS: *Glass, Mechanical properties, Brittle materials, Fracture (Mechanics)

(Materials--Ceramics, TT, v. 10, no. 11)

63-20141

I. Smekal, A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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THE NATURE OF THE INFLUENCE OF WIDTH OF SPECIMEN ON THE BENDING STRENGTH OF FLAT GLASS. [1963] 6p (refs omitted)
Order from SLA $1.10 63-20140

Trans. of Glastechn[ische] Ber[ichte] (Germany) 1937, v. 15 [no. 7] p. 282-285.

DESCRIPTORS: *Glass, *Optical glass, Loading (Mechanics), Rupture.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20140

1. Smekal, A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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GERMAN, per, Naturwissenschaften, 11, 13,
p 143-4, December 3, 1943.

SLA 58-613

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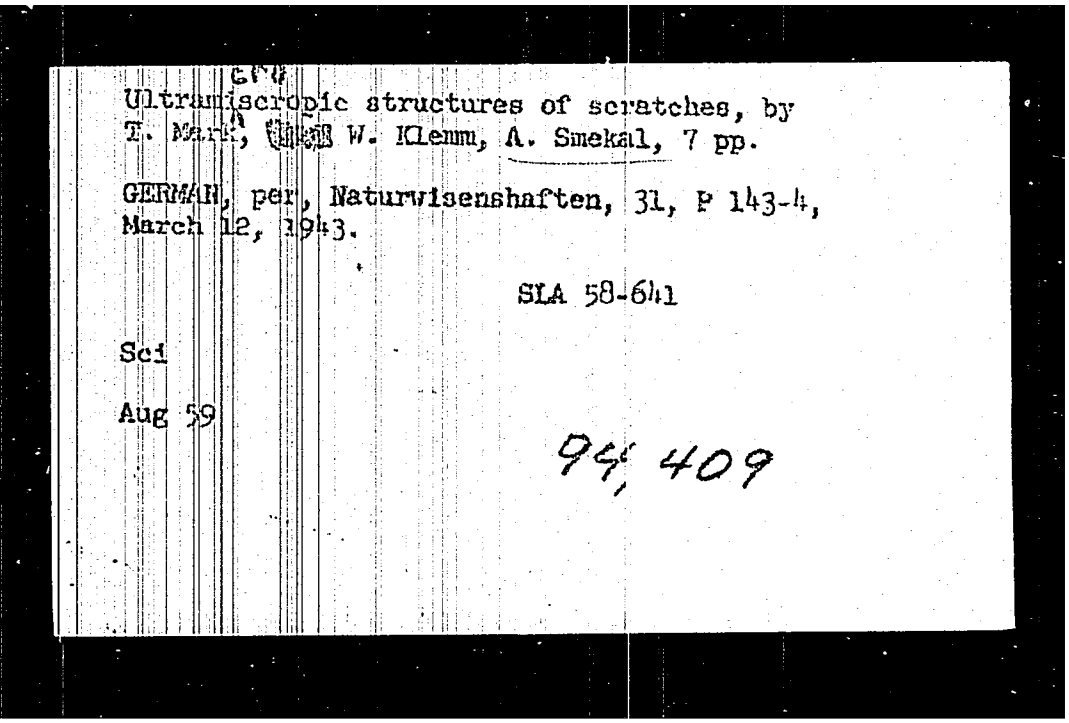

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SLA 58-641

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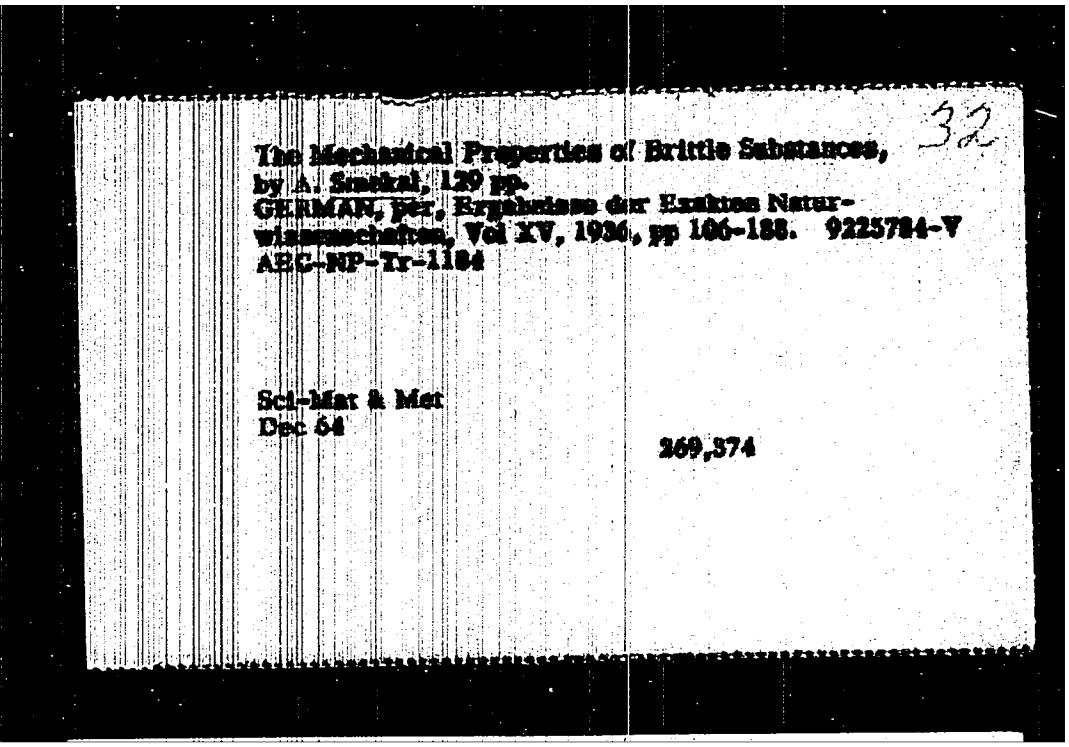

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The Mechanical Properties of Brittle Substances,
by A. Smekal, 129 pp.
GERMAN, per. Ergebnisse der Exakten Naturwissenschaften, Vol XV, 1936, pp 106-188. 9225784-V
AEC-NP-Tr-1184

Sci-Mat & Met
Dec 54

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SLA Tr 58-1028

Sci - Physics

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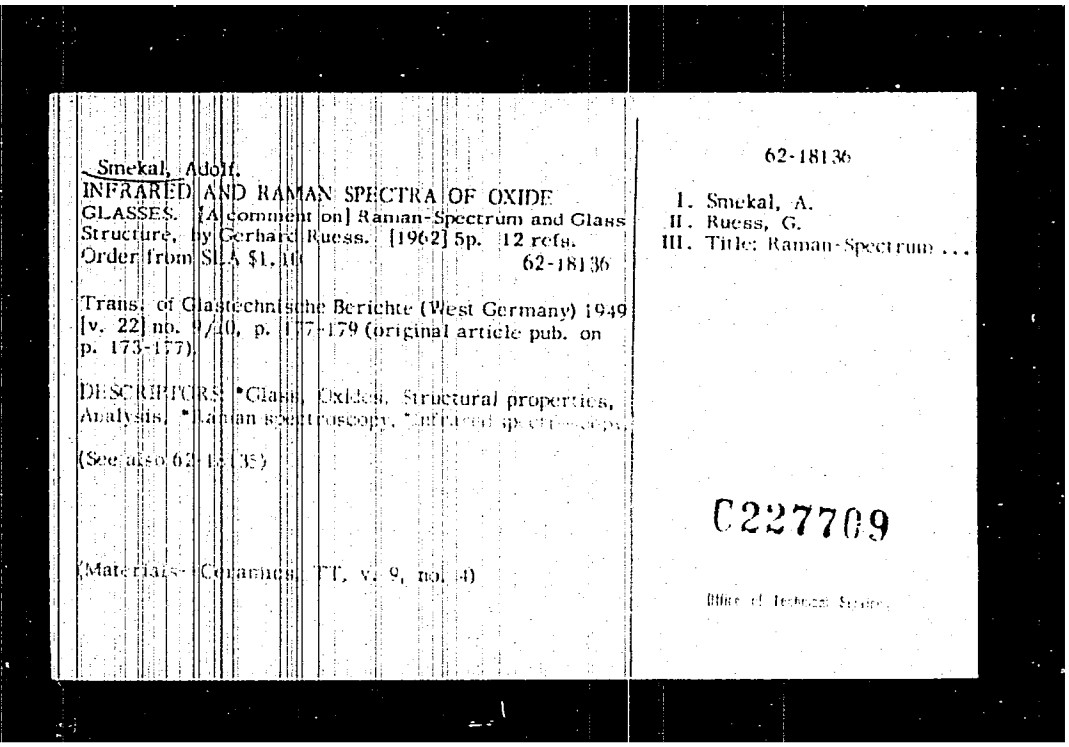

Smekal, Adolf.
INFRARED AND RAMAN SPECTRA OF OXIDE GLASSES. [A comment on] Raman-Spectrum and Glass Structure, by Gerhard Ruess. [1962] 5p. 12 refs. Order from SLA $1.10 62-18136

Trans. of Glastechnische Berichte (West Germany) 1949 [v. 22] nb. 9/10, p. 177-179 (original article pub. on p. 173-177).

DESCRIPTORS: *Glass, Oxides, Structural properties, Analysis, *Raman spectroscopy, *Infrared spectroscopy,

(See also 62-18135)

(Materials-Ceramics, TT, v. 9, no. 4)

62-18136

I. Smekal, A.
II. Ruess, G.
III. Title: Raman-Spectrum ...

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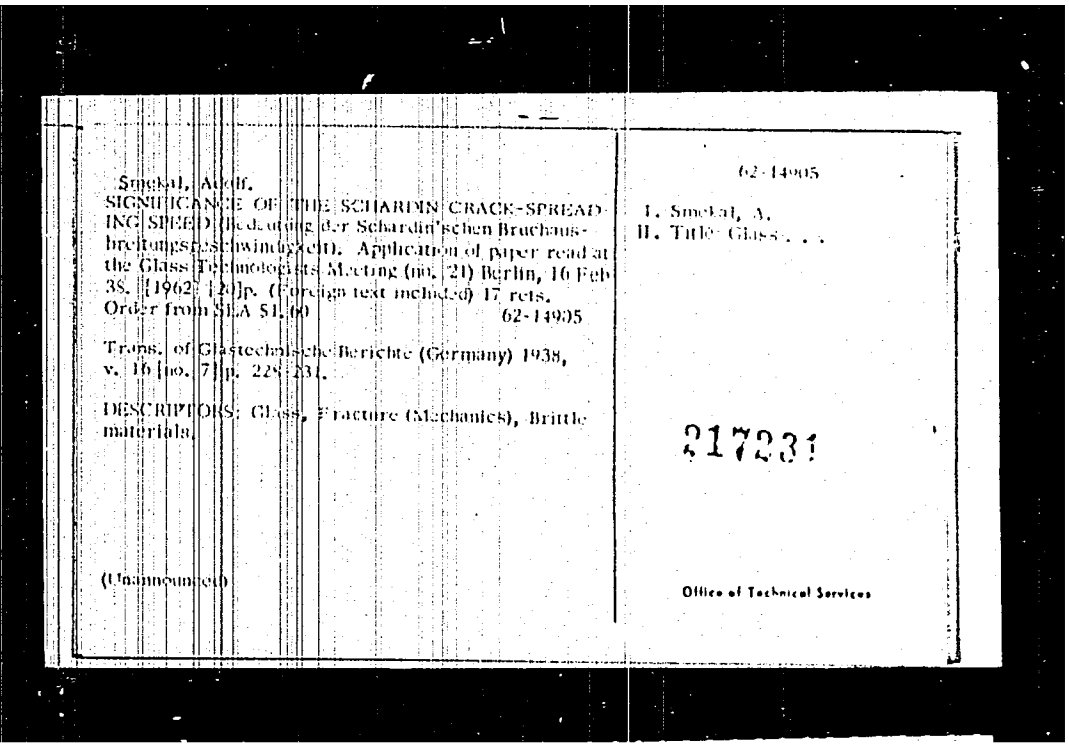
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5



Smekal, Adolf.
SIGNIFICANCE OF THE SCHARDIN CRACK-SPREADING SPEED (Bedeutung der Schardin'schen Bruchausbreitungsgeschwindigkeit). Application of paper read at the Glass Technologists Meeting (no. 21) Berlin, 16 Feb 38. [1962 12]p. (Foreign text included) 17 refs.
Order from SLA 51.(0) 62-14905

Trans. of Glastechnische Berichte (Germany) 1938, v. 16 [no. 7] p. 225-231.

DESCRIPTORS: Glass, Fracture (Mechanics), Brittle materials.

(Unannounced)

62-14905

I. Smekal, A.
II. Title: Glass . . .

217231

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300016-5

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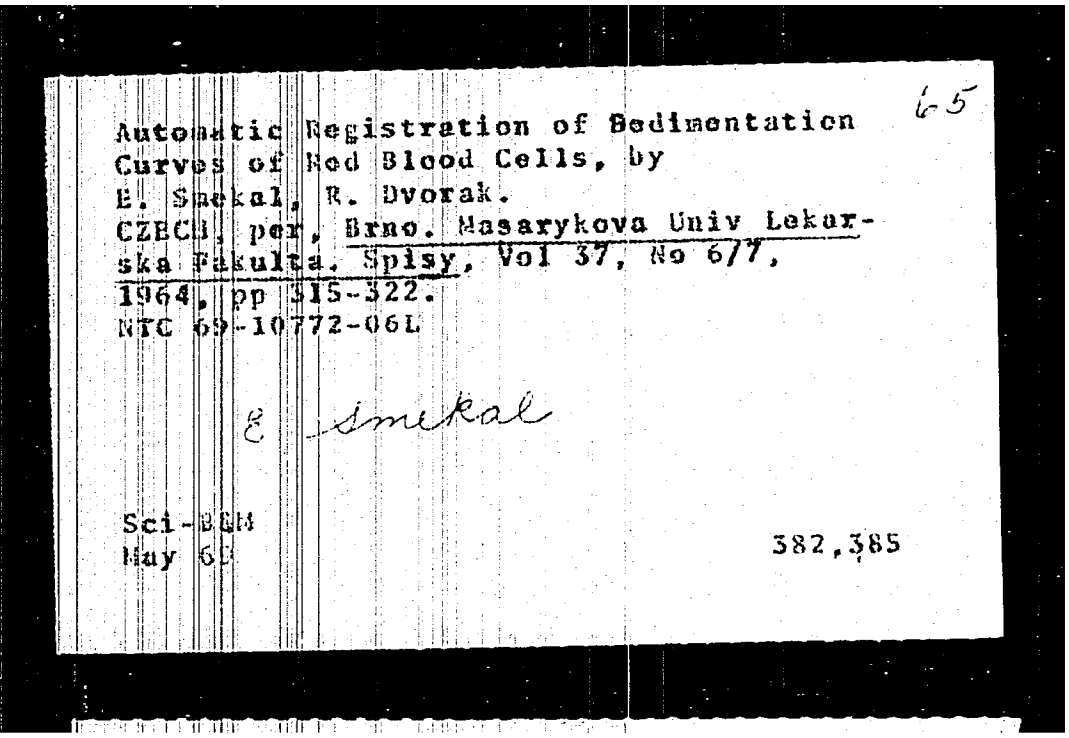

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Automatic Registration of Sedimentation Curves of Red Blood Cells, by E. Smekal, R. Dvorak.
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NTC 69-10772-06L

E. Smekal

Sci-Med
May 68

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On the Correlation Between Moisture Content and Precipitation, by L. K. Sukalova.
RUSSIAN, per, Vestn. Leningr. Univ. Ser. Geol. i Geogr, 1962, Vol 18, No 3, pp 120-124.
NLL 9022.551 1964 (251) (On LOan)

L. K. Sukalova

Aug 65 237,165

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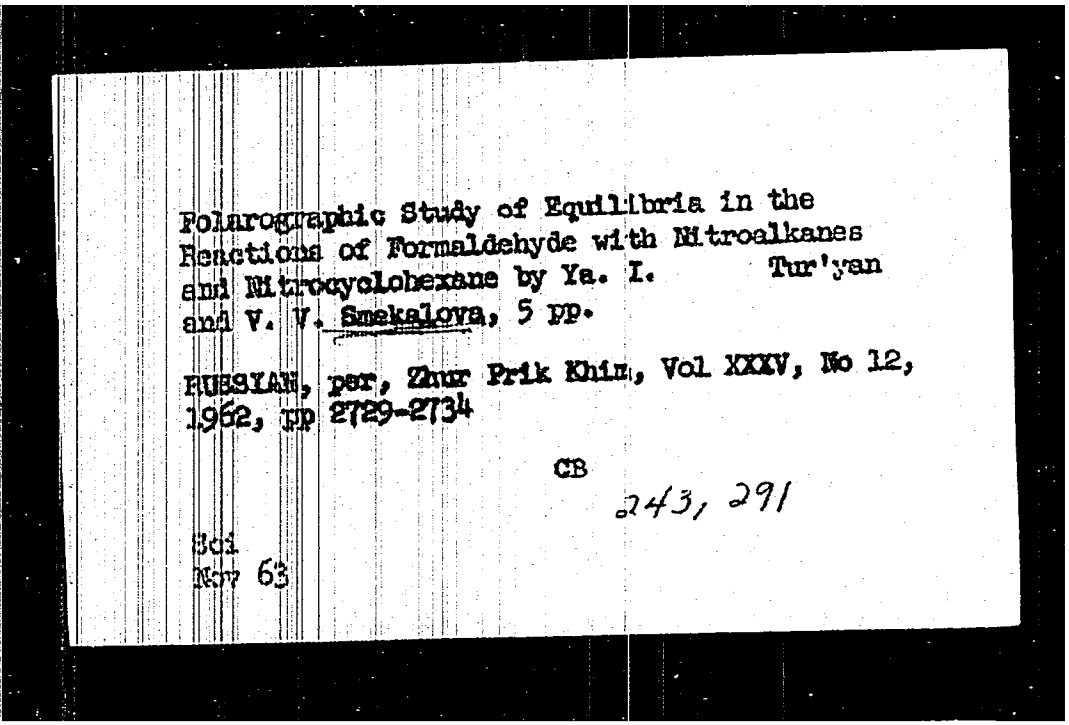

Polarographic Study of Equilibria in the Reactions of Formaldehyde with Nitroalkanes and Nitrocyclohexane by Ya. I. Tur'yan and V. V. Smakalova, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXV, No 12, 1962, pp 2729-2734

CB

243, 291

Sci
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UDOVENKO, M.
SMEKH, E.

Use of Sodium Thiosulphate in Place of Arsenite for Determining Manganese in Steel by the Pwesulphate Oxidation Method.

ZAVODSKAYA LABORATORIYA, vol 9, 1940, pp 398-400, 1450 words.

Brutcher No 1018, $

A-1240

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(DC-5970)

Liquidating the Dissipation of Resources in Capital Construction Projects is a Complex Problem, by B. Smekhov, 5 pp.

RUSSIAN, np, Ekonomicheskaya Gazeta, No 5 (26), 29 Jan 1962, pp 10, 11.

JPRS 13482

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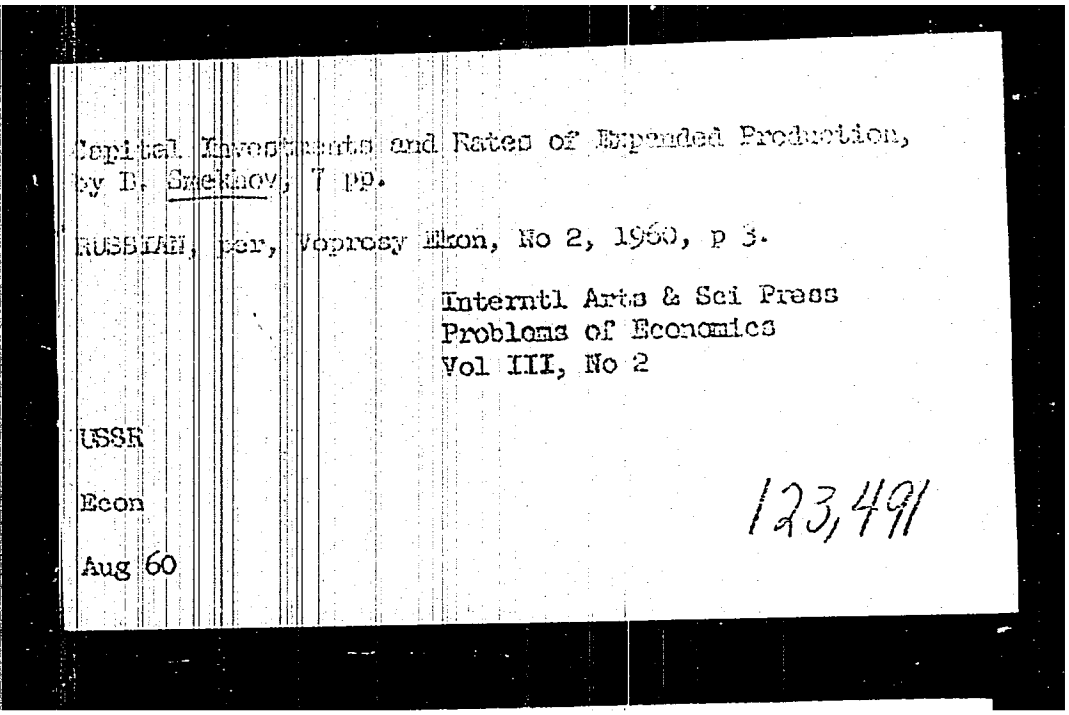

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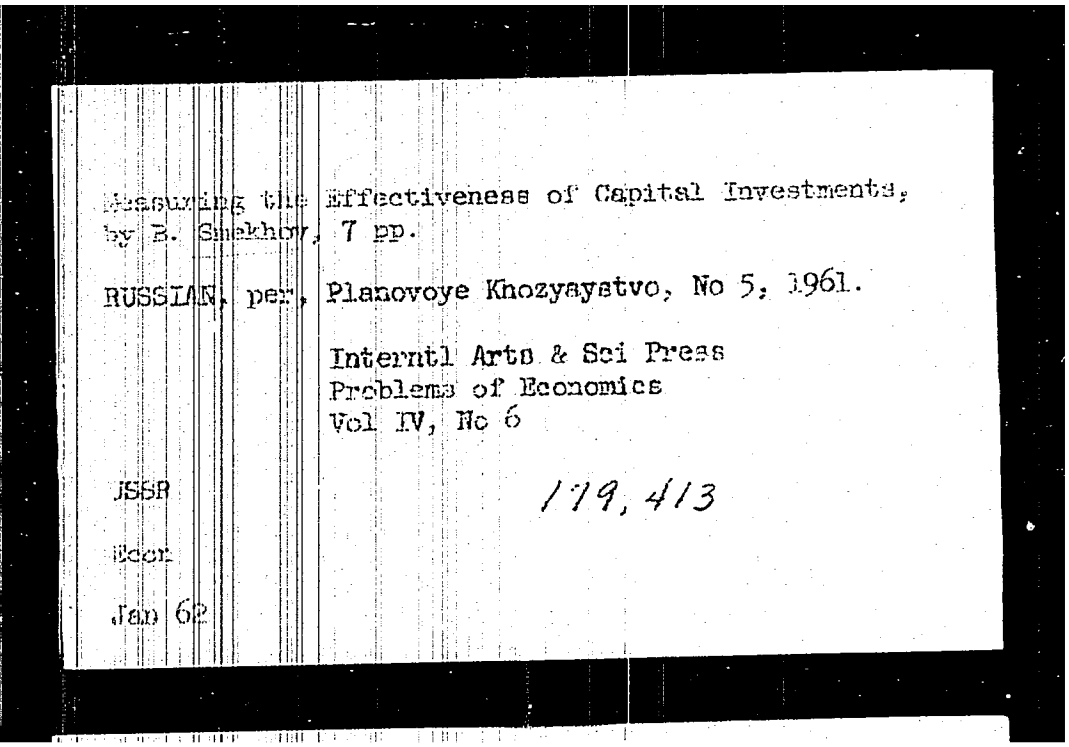

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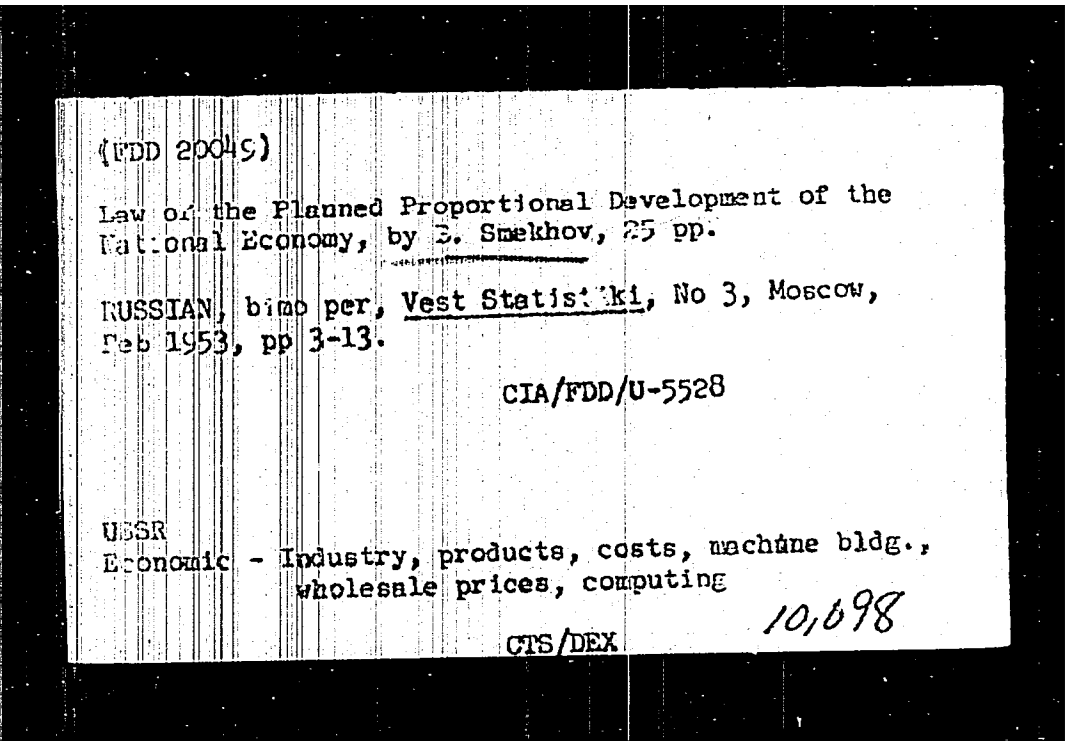

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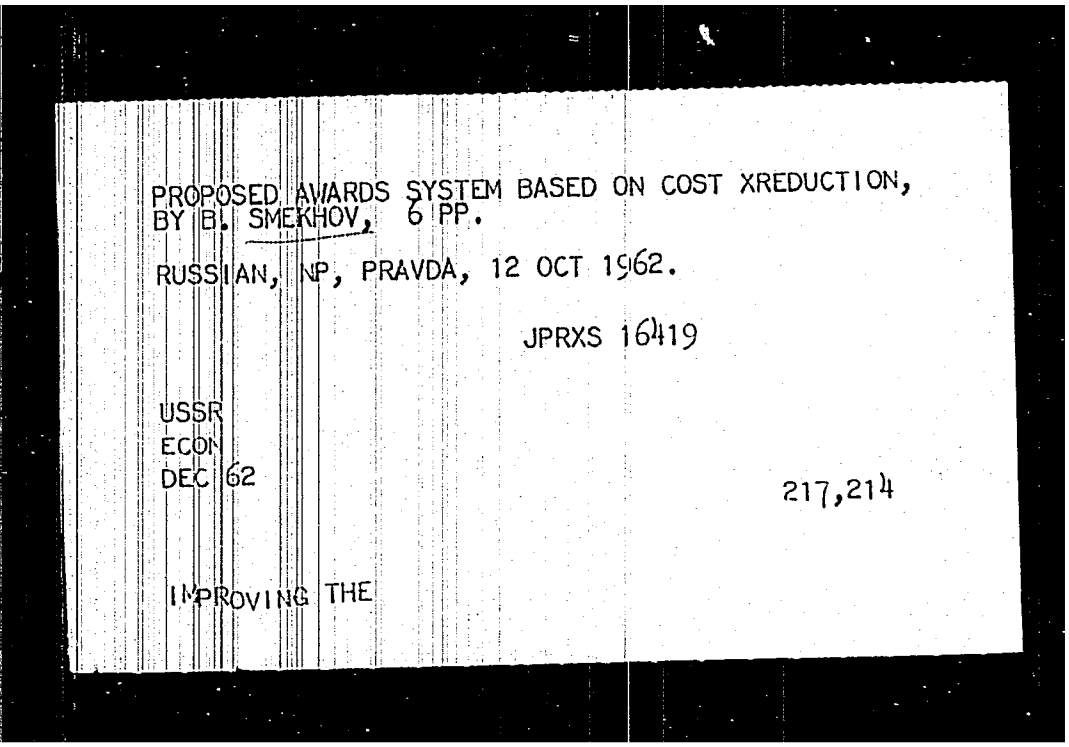

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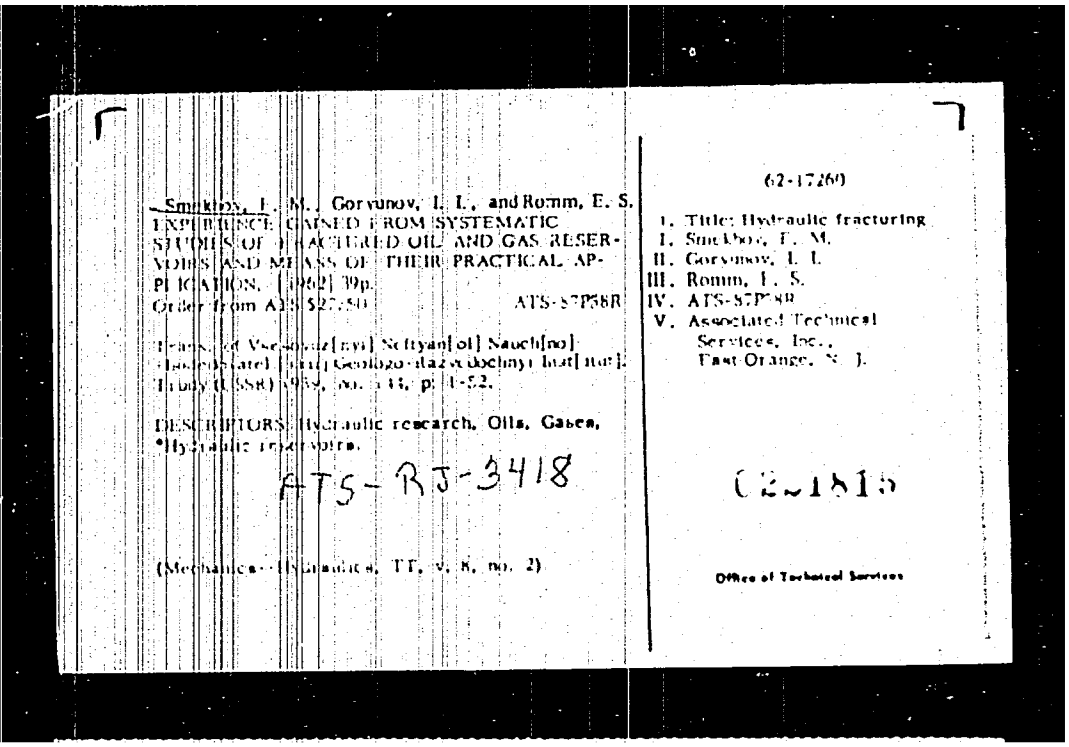

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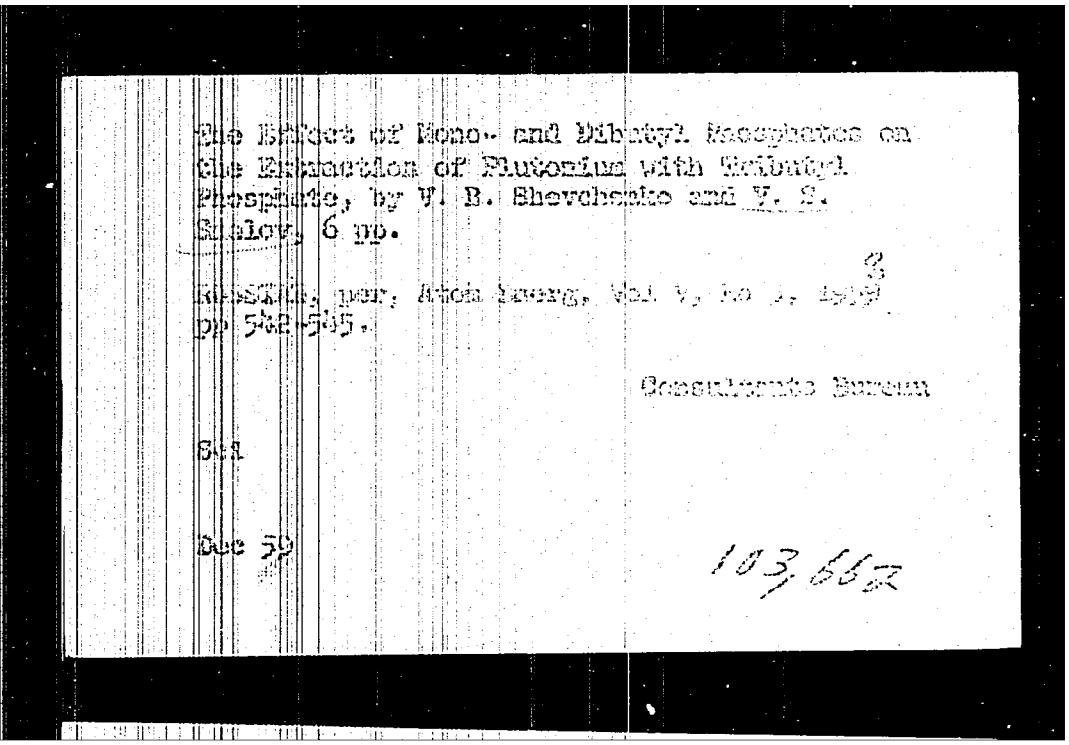

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Über eine Näherungsmethode zur Homogenisierung eines heterogenen Reaktors

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DESCRIPTORS: *Concrete, *Cements, Polymers, Plasticity, Elasticity, Mechanical properties.

By changing the ratio of polymer and cement and selecting a suitable polymer a whole gamut of materials can be produced, from brittle concretes to resilient materials whose deformation properties approach those of cured rubber. Such fine-grained polymer-cement concretes with low elastic moduli can be widely used as constructional adhesives, various types of putty, and even as building materials resistant to impact and vibration effects. (Author)

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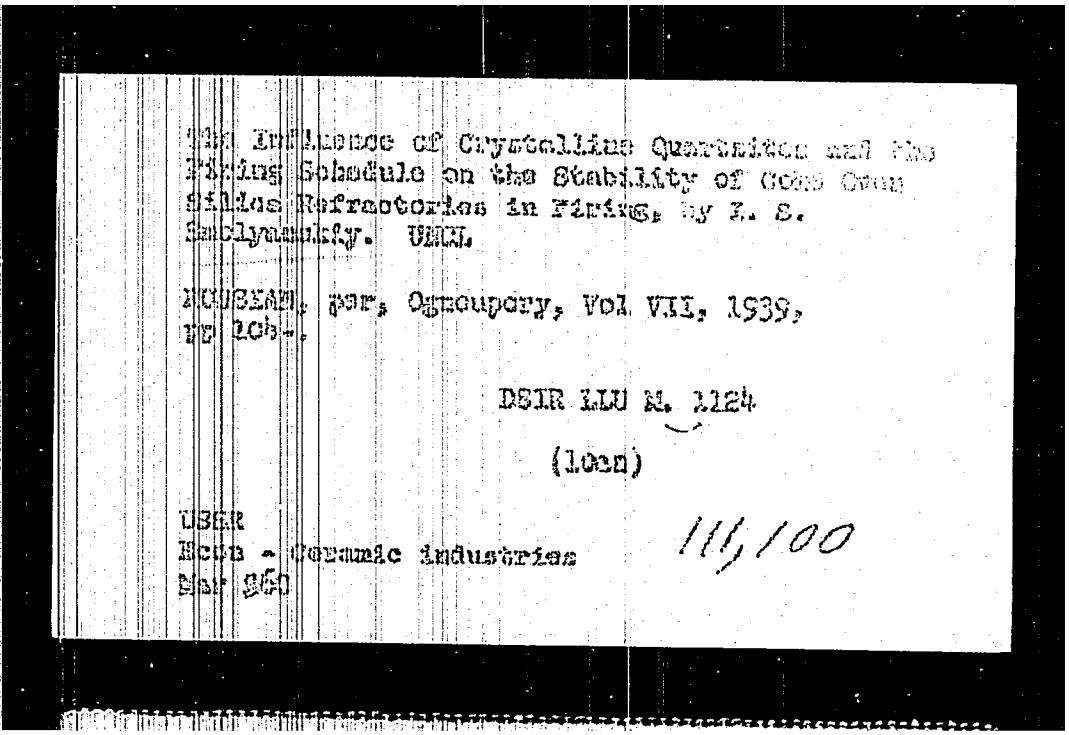

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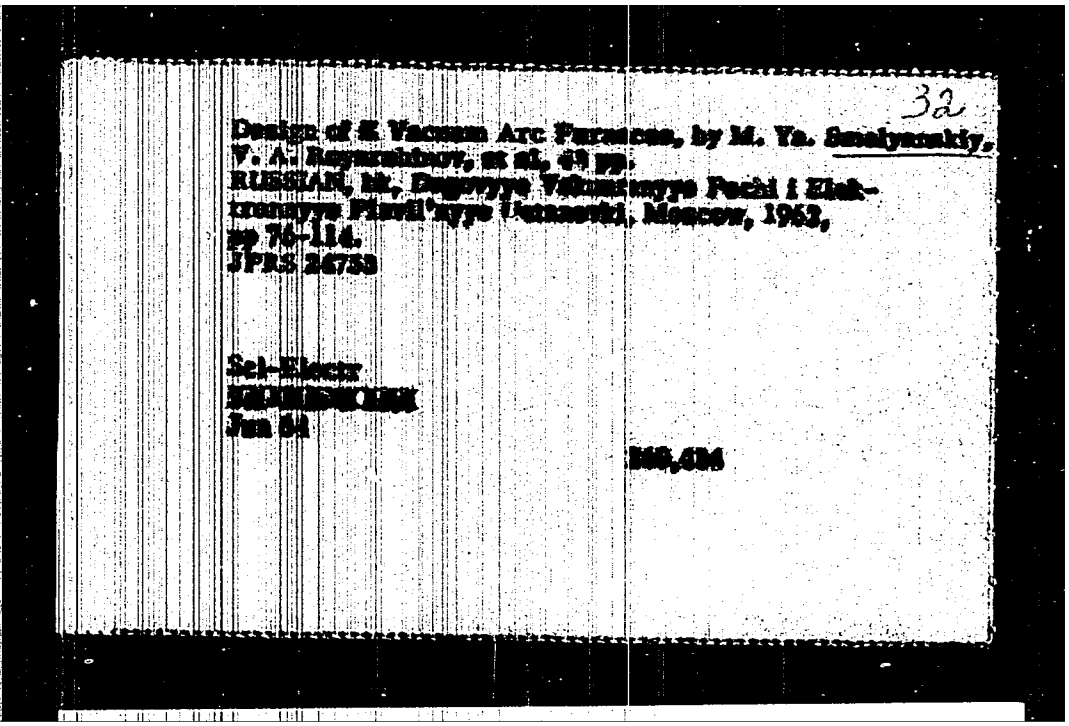

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